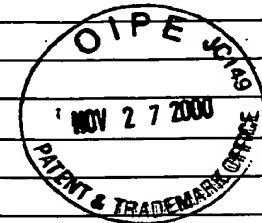


#6

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets necessary)				COMPLETE IF KNOWN	
				Application Number	09/594,467
				Filing Date	14 June 2000
				First Named Inventor	Siavash Alamouti et al.
				Group Art Unit	Unknown 2665
Examiner Name	Unknown				
SHEET	/	OF	/	Docket Number	1999-0342 (STG168)



U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
DH		5,463,629		KO	10-31-1995	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
DH		WIPO	WO 98/35463		AT&T WIRELESS SERVICES	08-13-1998		
DH		WIPO	WO 95/12261		AIRNET COMMUNICATIONS CORP.	05-04-1995		
DH		WIPO	WO 96/21302		ADVANCED MICRO DEVICES, INC.	07-11-1996		
DH		EPO	EP 0841762 A2		SONY CORPORATION	05-13-1998		
DH		EPO	EP 0599632 A2		COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	06-01-1994		
DH		EPO	EP 0667695 A1		KABUSHIKI KAISHA TOSHIBA	08-16-1995		
DH		EPO	EP 1005190 A2		LUCENT TECHNOLOGIES	05-31-2000		
DH		EPO	EP 0890943 A2		NEC CORPORATION	01-13-1999		

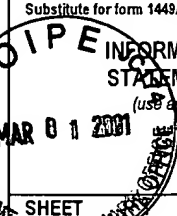
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
DH	A1	PCT, INTERNATIONAL SEARCH REPORT FOR PCT/US 00/16700	
DH	A2	CIMINI, JR., LEONARD J. ET AL., "OFDM with Diversity and Coding for Advanced Cellular Internet Services," IEEE, March 11, 1997, pp. 305-309	
DH	A3	CHUANG, J. C-I, "An OFDM-based System with Dynamic Packet Assignment and Interference Suppression for Advanced Cellular Internet Service," IEEE, August 11, 1998, pp. 974-979	

Examiner Signature	<i>Luciano</i>	Date Considered	12-12-03
--------------------	----------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB number.

Substitute for form 1449A/PTO			COMPLETE IF KNOWN		#7
			Application Number	09/594,467	
			Filing Date	June 14, 2000	
			First Named Inventor	Sivash Alamouti	
			Group Art Unit	2739 2665	
			Examiner Name	(Unknown)	
SHEET	OF	1	Docket Number	1999-0342 (STG168)	(103567-156908)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
DH		5,673,322		PEPE et al.	09 / 30 / 97	RECEIVED MAR - 6 2001 TC 2600 MAILROOM
DH		5,933,478		OZAKI et al.	08 / 03 / 99	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶

Examiner Signature	<i>Luchetto</i>	Date Considered	12-12-03
--------------------	-----------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(Use Several Sheets If Necessary)

Docket No: 1999-0342 (STG 168)

Application No: (unknown)

Applicant: Alamouti et al

#4

Filing Date: (herewith)

Group Art Unit: (unknown)

2665

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DH	5,282,222	01/25/94	Fattouche et al.	375	1	
DH	5,416,801	05/16/95	Chouly et al	375	260	
DH	5,521,943	05/28/96	Dambacher et al.	375	295	
DH	5,592,470	01/07/97	Rudrapatna et al.	370	320	
DH	5,771,224	06/23/98	Seki et al.	370	206	

3:812 J.S. PTO
09/19/99 467
06/14/00

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DUC 40

DATE CONSIDERED

12-12-03

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP ' 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

(2/92 PTO)

MAY 08 2002
U.S. Patent & Trademark Office
Patent & Trademark Office

Approved for use through 10/31/2002. OMB 0651-003

U.S. Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE
 TRADEMARK collection of information unless it contains a valid OMB number.

Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB number.

#10

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets necessary)</i>				COMPLETE IF KNOWN	
				Application Number	09/594,467
				Filing Date	June 14, 2000
				First Named Inventor	S. Alamouti
				Group Art Unit	2738 2665
				Examiner Name	Unknown
SHEET	1	Of	1	Docket Number	STG168

RECEIVED

MAY 13 2002

Technology Center 2600

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
DH	AA	5,815,488	A	Williams et al.	09-29-1998	COPY OF PAPERS ORIGINALLY FILED
OH	AB	5,933,421	A	Alamouti et al.	08-03-1999	

[illegible][illegible]

Examiner Signature	<i>Suchetto</i>	Date Considered	12-12-03
--------------------	-----------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.